Akhilesh Kumar Singh  
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🌐 [linkedin.com/in/akhilesh-kumar-singh-23115836](https://linkedin.com/in/akhilesh-kumar-singh-23115836)  
🌐 [github.com/SINGHL25](https://github.com/SINGHL25)  
📍 Brisbane, QLD, Australia  
🛂 Visa: Subclass 482 – Valid until Feb 2026

**Career Objective**

Multidisciplinary Engineering & Technology Professional with over 14 years of experience across Intelligent Transportation Systems (ITS), Electric Vehicle (EV) Charging, Green Mobility, Smart Traffic Systems, and Digital Automation. Proven record in integrating cutting-edge technology with real-world infrastructure. Actively seeking mid-to-senior level roles in tolling, mobility, smart cities, or DevOps/AI-powered transportation systems.

**Core Competencies**

* Intelligent Transportation Systems (ITS)
* EV DC Fast Charger Infrastructure (50–175kW)
* Tolling System Maintenance & Passage Data Analysis
* Linux (Ubuntu, Bash), Microsoft SQL Server, Windows, Azure, AWS
* Python | Pandas | NumPy | Matplotlib | Scikit-learn | TensorFlow
* GitHub Actions | Docker | Kubernetes | CI/CD | Ansible
* Streamlit | Firebase | MongoDB Atlas | SQLite
* Power BI | Seaborn | Plotly | Jupyter
* Wireshark | Kali Linux | Metasploit | Cybersecurity Tools
* LibreNMS | Grafana | Jira | VMware | ERP | Maximo

**Featured Projects (on GitHub)**

* ✨ Traffic Passage & IVDC Visualization Dashboard ([Power BI + Python](https://github.com/SINGHL25/traffic-data-visualization-project-Seaborn))
* ✨ RoadAid AI: Real-time Emergency Detection and Response App ([GitHub](https://github.com/SINGHL25/-RoadAid-AI-Emergency-Response-SystemMatplotlib-))
* ✨ Docker-K8s CI/CD Projects: End-to-End DevOps Deployments
* ✨ Pothole Detection & Reporting Mobile App ([GitHub](https://github.com/SINGHL25/pothole_reporter-App))
* ✨ Vehicle Passage Prediction using ML (In Progress)
* ✨ Stock Market Web Apps | Snake Battle Game with 6 Players | Animated Dashboards

**Professional Experience**

**Maintenance Specialist**  
*Kapsch TrafficCom Australia Pty Ltd | Brisbane, QLD*  
**Jan 2024 – Present**

* End-to-end support for Multi-Lane Free Flow Tolling (MLFF) systems in QLD.
* Integration of C-ITS (V2X), LIDAR, RADAR, DSRC tech.
* Hands-on with Linux-based control systems, Azure/AWS, LibreNMS.
* Developed dashboards and reports using Power BI + traffic logs.

**Technical Support Engineer – EV Charging**  
*Tritium Pty Ltd | Brisbane, QLD*  
**Aug 2023 – Present**

* Global support for 50–175kW DC chargers.
* Tools: Veefil, Protium, Wireshark, Grafana.
* Developed training documents and handled software escalations.

**Quality Inspector – EV Chargers**  
*Tritium Pty Ltd*  
**Dec 2021 – Jul 2023**

* CS3 Quality Package lead. Field complaints reduced by 80%.
* LPA audits, failure mode investigations, and root cause elimination.

**Other Roles**  
(Production Lead, Co-Founder, Electrical Engineer, etc.)  
*Across Sterling Products, GOMA Foods, Sahara, EMAAR, Mercado*

* Led startup product launches and ERP deployments.
* Electrification of high-rise buildings and smart cities.

**Education**

* **Executive MBA in Finance** – IIM Calcutta, 2015
* **B.Tech in Electrical Engineering** – UPTU, 2012

**Certifications & Tools**

* Lean Six Sigma (Green Belt)
* Cybersecurity Fundamentals
* Docker & Kubernetes for Developers
* GitHub Actions for CI/CD
* Streamlit + Firebase Full Stack Deployment
* Wireshark | Kali Linux | Metasploit

**Personal Details**

* Nationality: Indian
* Visa: TSS 482 (Feb 2026)
* Languages: English, Hindi
* DOB: 11-Mar-1990
* Passport No.: X7614621

**Let's Connect & Collaborate!**  
I'm open to roles in ITS, EV, DevOps, Data Projects, or smart city startups. I believe in applying tech for social change and better mobility systems.